Amendments to the Drawings:

The attached sheet of drawings includes changes to and replaces the original
sheet including Figure 2. In Figure 2, the legend --Prior Art-- has been added.

Attachment: Replacement Sheet

Annotated Sheet Showing Changes

REMARKS

This application has been carefully reviewed in light of the Office Action dated December 19, 2006. Claims 1-5 and 7-21 remain in this application. Claims 1, 11 and 16 are the independent Claims. Claim 6 has been canceled, without prejudice. Claims 1, 7, 11 and 16 have been amended. It is believed that no new matter is involved in the amendments or arguments presented herein. Reconsideration and entrance of the amendment in the application are respectfully requested.

Drawing Objections

On page 2 of the Office Action, Figure 2 was objected to under M.P.E.P. § 608.02(g); Figure 11 was objected to for lacking description in the specification. In response, Figure 2 has been amended to address the above objection. With respect to Figure 11, the specification has been amended to address the above objection. Reconsideration and withdrawal of the objection are respectfully requested.

Specification Objections

The specification was objected to for informalities. In response, the specification has been amended to address the above objection. Reconsideration and withdrawal of the objections are respectfully requested.

Non-Art Based Rejections

Claims 1-15 were rejected to under 35 U.S.C. § 101 for being directed towards non-statutory subject matter; Claims 6 and 7 were rejected under 35 U.S.C. § 112, second paragraph, for indefiniteness.

In response, Applicant has amended independent Claims 1 and 11 to recite statutory subject matter. Furthermore, claim 6 has been cancelled without prejudice, and the subject matter of Claim 6 has been added to Claims 1, 11 and 16, rendering the rejection of Claim 6 moot. With respect to the § 112 rejection, Claims 1, 11 and 16 have been amended to address the rejection. Reconsideration and withdrawal of the above § 101 and § 112 rejections are respectfully requested.

Art-Based Rejections

Claims 1-3, 5-12 and 14-19 were rejected under 35 U.S.C. § 102(e) over U.S. Patent No. 6,907,519 B2 (Desoli); Claims 4, 13, 20 and 21 were rejected under 35 U.S.C. § 103(a) over Desoli in view of U.S. Patent No. 5,613,063 (Eustace). Applicant respectfully traverses the rejections and submits that the claims herein are patentable in light of the clarifying amendments above and the arguments below.

The Desoli Reference

Desoli is directed to a system for integrating emulated and native code. Native code interceptor module 108 is configured to detect native code 118 inserted within emulated code 116 and to execute the native code 118 on hardware 106 without the need for emulation *(See Desoli; Abstract, FIG.2 and Col. 4, lines 48-51, 61-64)*.

The Eustace Reference

Eustace is directed to monitoring memory accesses using special values stored as contents of the memory location themselves and a table of write tags *(See Eustace; Col. 3, lines 21-25)*.

Appl. No. 10/696,280
Amdt. Dated March 5, 2007
Reply to Office Action of December 19, 2006

Attorney Docket No. 81940.0060
Customer No.: 26021

The Claims are Patentable Over the Cited References

The present application is generally directed to a method of executing a program written in a programming language which is executed with an interpreter having a native code calling function.

As defined by amended independent Claim 1, a computer readable medium encoded with an interpreter executes a program written in a programming language in cooperation with a processor. The interpreter includes a module that calls a native code and a native code emulator that executes the native code through hardware emulation. A determination module determines whether a target code in a program to be executed is an interpreter code or the native code. When the target code is determined to be the native code, the native code emulator processes the native code through hardware emulation. When the target code is determined to be the interpreter code, the native code emulator does not process the interpreter code.

The applied references do not disclose or suggest the above features of the present invention as defined by amended independent Claim 1. In particular, the applied references do not disclose or suggest, "when the target code is determined to be the native code, the native code emulator processes the native code through hardware emulation," as required by amended independent Claim 1.

Desoli discloses a native code interceptor module 108 configured to detect native code 118 inserted within emulated code 116 and to execute the native code 118 on hardware 106 <u>without</u> emulation *(See Desoli; Col. 4, lines 48-51 and 61-64)*. As illustrated in FIG. 2 of Desoli, when native code 118 is detected by emulation system 100, at block 206, native code 118 is run natively on hardware 106 without emulation, interpretation, translation, etc.

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In contrast, Applicant requires that native code be processed through the native code emulator through hardware emulation. For example, this feature provides the benefit of detecting illegal memory accesses during the execution of native code *(see Specification; Page 5, lines 2-4)*. Desoli clearly operates in a manner opposite to the Applicant by executing native code without hardware emulation by a native code emulator.

Thus, Desoli does not disclose or suggest this feature of the present invention as required by amended independent Claim 1, and the ancillary references do not remedy the deficiencies of Desoli.

Accordingly, amended independent Claim 1 is believed to be in condition for allowance and such allowance is respectfully requested.

Applicant respectfully submits that amended independent Claims 11 and 16 are allowable for at least the same reasons as those discussed above with reference to amended independent Claim 1 and such allowance is respectfully requested.

The remaining claims depend either directly or indirectly from amended independent Claims 1, 11 and 16 and recite additional features of the invention which are neither disclosed nor fairly suggested by the applied references and are therefore also believed to be in condition for allowance.

Conclusion

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Reexamination and reconsideration of the application, as amended, are requested.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los

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Angeles, California telephone number (310) 785-4721 to discuss the steps necessary for placing the application in condition for allowance.

       If there are any fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-1314.

                        Respectfully submitted,

                        HOGAN & HARTSON L.L.P.

Date: March 5, 2007   By:

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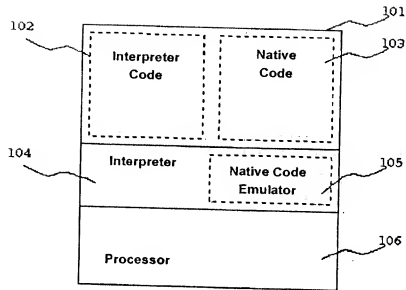Phone: 310-785-4600
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Fig. 1

101

102

103

| Interpreter Code | Native Code |

104

Interpreter

Native Code Emulator

105

106

Processor

Fig. 2

PRIOR ART

101

102

103

| Interpreter Code | Native Code |

104

Interpreter

106

Processor